



OK
11/09/00
See U.S. EPA
8/30/99 letter
re: math
error

P.O. BOX 269
1000 WARREN AVENUE
NILES, OHIO 44446-0269

Via Overnight Delivery

July 26, 2000

Ms. Julianne Socha
Enforcement and Compliance Assurance Branch (DRE-8J)
United States Environmental Protection Agency
Region 5
77 West Jackson Boulevard
Chicago, IL 60604

US EPA RECORDS CENTER REGION 5



1009075

RE: SEP Summary Report
CAFO of 12 May 1997, RCRA Docket No. V-W-001-93

Dear Ms. Socha:

Here in compliance with the 12 May 1997 CAFO and as we have discussed is the SEP Summary Report.

Thank you, for your assistance and patience in this matter. Please do not hesitate to contact me with any questions.

Sincerely,

Richard L. Mason
Director -- Environmental Affairs

Phone: 330/544-7688

Fax: 330/544-1029

E-mail: rickmasonatmri@compuserve.com

Enclosure

C: Adrienne LaFavre, Ph.D.
OEPA-NEDO

RECEIVED

DEC 04 2000

RCRA RECORDS ROOM
Waste, Pesticides & Toxics Division
11 S. EPA—REGION 5

**RMI TITANIUM COMPANY - SODIUM PLANT
SEP SUMMARY REPORT
ASHTABULA RIVER PARTNERSHIP S.E.P.
10 JULY 2000**

**AS REQUIRED BY CAFO OF 12 MAY 1997
RCRA DOCKET V - W- 001 '93**

I. Detailed Description of the SEP as Implemented

The Ashtabula River Supplemental Environmental Project was a five year commitment by the RMI Titanium Company to participate in the Ashtabula River Partnership (ARP). The ARP is a coalition of citizens, local businesses, and local state and Federal government representatives exploring remediation options for contaminated sediments in the Ashtabula River and harbor. Contaminants in Ashtabula River sediment present a potential risk to the public and environment. The actual level of effort is considerably greater than the minimum level agreed to in the CAFO, resulting in the SEP being completed in only three, rather than five, years.

RMI committed to provide volunteers to the ARP who would put forth their best efforts toward the success of the ARP. RMI fulfilled this commitment by providing two volunteers:

N.F. (Rick) Brewer - Director of Community Relations for RMI's Environmental Services Division located in Ashtabula, Ohio.

Richard L. Mason - Director of Environmental Affairs for the RMI Titanium Company headquartered in Niles, Ohio.

Other RMI personnel have provided support services on an as needed basis, but their time has not been applied against the SEP.

Messrs. Brewer and Mason's involvement has been varied as the need arises, as detailed in Appendix I, and has been spent primarily in committee work. The ARP is managed largely by committee and is organized as follows (See Figure 1):

- A. The Full Partnership originally met quarterly, now annually, and usually in August. The RMI Titanium company is a Charter Member. A list of Charter Members is included as Appendix III.
- B. Overall management falls to the Coordinating Committee which meets monthly. N.F. Brewer is Co-Chairperson of the Committee, and R.L. Mason is a committee member.
- C. The ARP has created one full-time, paid position, the Project Coordinator, who reports to the Co-Chairpersons of the Coordinating Committee.

Ashtabula River Partnership Organization Structure

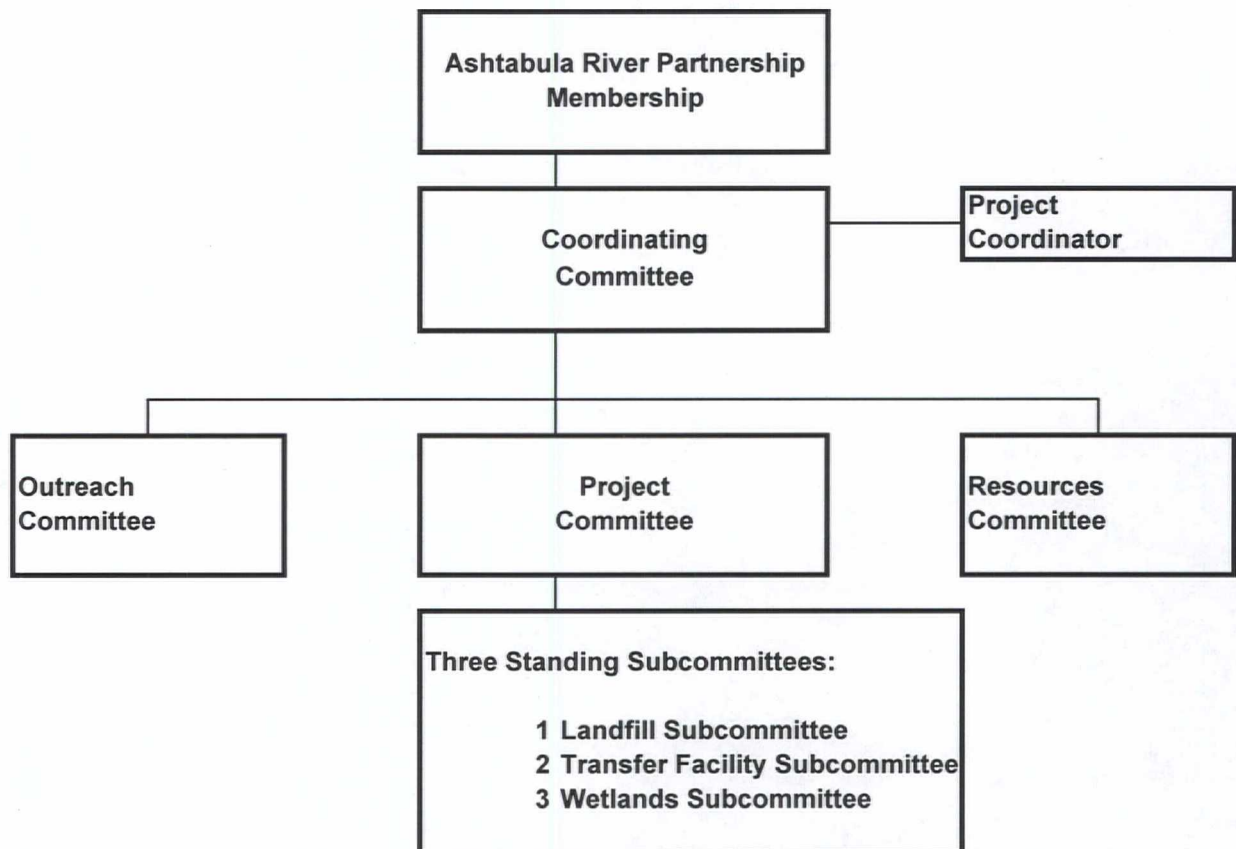


Figure 1.

C. Three committees are subsidiary to the Coordinating Committee:

1. The Outreach Committee meets monthly and is in charge of community outreach, an important function in a public partnership. N.F. Brewer and R.L. Mason are committee members.
2. The Project Committee meets monthly and is in charge of managing the technical aspects of the ARP. R.L. Mason is Co-Chairperson of the Project Committee. The U.S. Army Corps of Engineers, Buffalo District Office, (USACE) serves as the engineering function of the ARP and reports to the Project Committee. Contractors are used for engineering services too, either as direct contractors to the ARP, or subcontractors to USACE.
3. The Resources Committee meets monthly and is in charge of obtaining financial resources and services in kind such as lands, easements, and rights-of-way. N.F. Brewer and R.L. Mason are committee members.

D. Subcommittees are formed from time to time as the need arises. At present there are three standing subcommittees to the Project Committee.

1. The Landfill Subcommittee meets monthly to focus on landfill design, siting, and other disposal issues. R.L. mason is a committee member.
2. The Transfer Facility Subcommittee meets monthly to focus on real estate issues and design of the water-to-land transfer facility, including sediment dewatering design and regulatory questions. N.F. Brewer is a committee member.
3. The Wetlands Subcommittee meets as needed to focus on Identifying, qualifying, and making mitigation plans for potential wetlands impacts.

A committee list is included as Appendix IV.

The ARP has established a not-for-profit organization to support the river cleanup known as the Ashtabula River Foundation. N.F. Brewer is on the board of directors of the Foundation.

A group of manufacturers, The Ashtabula River Cooperation Group (ARCG), has been formed primarily to provide funding for a share of the dredging project, contingent upon satisfactory and affordable design. The group provides technical expertise and funding to the ARP and at present is involved in developing a Natural Resources Damage assessment with the state and Federal Natural Resource Trustees. R.L. Mason is active in the ARCG.

As is apparent from the discussions above, Messrs. Brewer and Mason have been integrally involved with the ARP throughout the three years of the SEP. Progress at the site has been considerable:

- A. A feasibility-level study, the Comprehensive Management Plan and a companion Environmental Impact Statement have been completed and published for public review. Responses to comments are well underway and within the next few months the revised plan will be sent to USACE Headquarters for final review.
- B. A balanced funding mix of local, state, Federal and private money is involved in the work of the ARP.
- C. There is a high degree of public information and public involvement in the ARP.
- D. The current cost estimate for the dredging in the Comprehensive Management Plan is \$45 million. USACE funding is available for approximately two thirds the total, Ohio has committed a fixed amount of \$7 million towards the dredging, and the ARCG has conditionally committed to providing the balance, estimated to be \$8 million.
- E. The dredging project as planned will not only remove contaminated sediment that poses an unacceptable risk to human health and the environment, but is designed to remove the bulk of the contaminated sediment which would greatly improve recreational navigation in the river, and which is expected to prevent the pollution of the outer harbor, thus reducing the cost and complexity of future dredging for purposes of commercial navigation.

Even though the SEP requirement has been met, RMI Titanium Company's commitment to the Ashtabula River Partnership remains undiminished and we will continue to apply our best efforts toward the Partnership's success, a success toward which the partnership is making good and constant progress.

II Accounting of SEP Expenditures

An accounting of SEP expenditures, including itemized costs for the SEP is included as Appendix I. PricewaterhouseCoopers LLP, independent accountants, were retained by RMI to audit the Expenditures. However upon review, they found that due to the nature of the SEP there was very little to audit and that such an audit would amount in the most part, to simply checking RMI's math, which is the sort of trivial task which the independent accounting industry refuses to exaggerate by lending its name. Appendix II is a letter from PricewaterhouseCoopers explaining its position.

III Environmental and Public Health Benefits Resulting from Implementation of the Ashtabula River SEP.

Even though the Ashtabula River remediation has not yet occurred, the project as conceived will have the following environmental and public health benefits and estimable pollutant reduction.

- A. Those polluted sediments that posed a potential risk to human health and environment and that might otherwise have been removed under CERCLA will be removed.
- B. The plan goes beyond a risk-based cleanup to focus on removing the greatest mass of contaminants. The selected Deep Dredging scenario will remove 82% of the total mass of PCBs, which are the primary contaminant of concern. Appendix V is a table from Appendix D of the Draft Comprehensive Management Plan entitled Comparison of Sediment Volume and PCB Mass Removal for Ashtabula River Dredging Scenarios.
- C. The Deep Dredging scenario will remove sufficient volume to remove impediments to recreational navigation in the river, and to prevent future pollution of new, clean sediment deposits. This is expected to facilitate future dredging of the unpolluted sediments.
- D. The Deep Dredging scenario is expected to prevent river contaminants from migrating into the outer harbor. As a result USACE will be able to continue to maintain commercial shipping navigation by dredging and open-lake disposal.
- E. The ARP project is expected to go from conception in 1994 to completion as soon as 2004. A ten to twelve year time frame for a project of this scope would not be achieved using a conventional approach.

- F. The Partnership approach integrates community input and involves various government stakeholders which allows the development of a comprehensive plan that goes beyond remediation to incorporate other aspects such as ecological and navigational enhancements.
- G. The cooperative spirit of the Partnership not only shortens the schedule, but also minimizes unproductive written exchanges and increases efficiency for all parties involved
- H. In addition to all of its positives the partnership approach avoids the stigma of designating the harbor as a Superfund Site, and the cost-inefficiencies and delays attributable to the Superfund process.
- I. The partnership can serve as a model to be followed at other sites.
- J. Some important milestones have been reached in addition to the drafting of the Comprehensive Management Plan and the Environmental Impact Statement including:
 - 1. Agreement in principle to place the high PCB sediments in an addition to the Fields Brook Superfund Site landfill.
 - 2. Agreement in principle on a landfill design and location for the low PCB sediments.
 - 3. Agreement in principle on a funding plan that includes private, state, Federal, and some local contributions.
 - 4. Progress is being made toward resolving the question of Natural Resource Damages at the site.

IV Certification

I certify under penalty of law that I have examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possibility of fines and imprisonment.

W. J. McCartney by
William J. McCartney
Vice President- Engineering
RMI Titanium Company

26 July 2000
Date

J. H. Odde

expenses all OK
see note re: math
error on 4/29/99
progress report —
same math error
in this summary

Appendix I

MAY 1997

[illegible]

N. F. Brewer Ashtabula River Partnership Time/Expense Sheet

[illegible]

N. F. Brewer Ashtabula River Partnership Time/Expense Sheet

[illegible]

N. F. Brewer Ashtabula River Partnership Time/Expense Sheet

[illegible]

N. F. Brewer Ashtabula River Partnership Time/Expense Sheet

[illegible]

N. F. Brewer Ashtabula River Partnership Time/Expense Sheet

[illegible]

N. F. Brewer Ashtabula River Partnership Time/Expense Sheet

[illegible]

N. F. Brewer Ashtabula River Partnership Time/Expense Sheet

DECEMBER 1997																		Meals \$	Mileage \$.31/mi.	Hours \$50.00/hr.
	3	4	10	11	15															
Coordinating Committee Meeting	2.0 hrs. 10 mi.																			\$100.00
Project/Siting Committee Meeting	2.5 hrs. 0 mi.																			\$125.00
Outreach Committee Meeting				3.0 hrs. 10 mi.																\$150.00
Finance Committee Meeting					2.0 hrs. 30 mi.															\$100.00
Resources Committee Meeting																				
Review & Comment - Draft CMP			4.0 hrs. 0 mi.																	\$200.00
Prepare ARP for Public Presentation																				
Out of Town Travel																				
Prepare for Policy Review Meeting		4.0 hrs. 0 mi.																		\$200.00
ARP Working Luncheon																				
Radio/Press Interviews																				
Review/Comment on Grants																				
Review/Comment Meeting Minutes																				
TOTALS																	\$0.00	\$15.50		\$875.00
GRAND TOTAL																		\$890.50		

N. F. Brewer Ashtabula River Partnership Time/Expense Sheet

[illegible]

N. F. Brewer Ashtabula River Partnership Time/Expense Sheet

[illegible]

N. F. Brewer Ashtabula River Partnership Time/Expense Sheet

[illegible]

N. F. Brewer Ashtabula River Partnership Time/Expense Sheet

APRIL 1998		3	8	9	15	16	21	22												Meals \$	Mileage \$.31/mi.	Hours \$50.00/hr.
Coordinating Committee Meeting	Hours							2.0														\$100.00
	Miles							0														
Project/Siting Committee Meeting	Hours							2.0														\$100.00
	Miles							0														
Outreach Committee Meeting	Hours																					
	Miles																					
Finance Committee Meeting	Hours																					
	Miles																					
Resources Committee Meeting	Hours			1.5			3.0															\$225.00
	Miles			10			0													\$3.10		\$100.00
Review & Comment - Draft CMP	Hours	2.0																				
	Miles	0																				
Prepare ARP for Public Presentation	Hours																					
	Miles																					
Out of Town Travel	Hours																					
	Miles																					
Prepare for Policy Review Meeting	Hours																					
	Miles																					
ARP Working Luncheon	Hours																					
	Miles																					
Radio/Press Interviews	Hours																					
	Miles																					
Review/Comment on Grants	Hours																					
	Miles																					
Review/Comment Meeting Minutes	Hours		2.5																			\$125.00
	Miles		0																			
Meet with Cong. LaTourette AYC	Hours			2.5																		\$125.00
	Miles			8																\$2.48		\$75.00
Review USACE Policy Letters	Hours				1.5																	\$75.00
	Miles				0																	
Conference Call - USACE, ARP	Hours					1.5																\$75.00
	Miles					0																
	Hours																					
	Miles																					
TOTALS																			\$0.00	\$5.58	\$925.00	
GRAND TOTAL																				\$930.58		

R.L.Mason
Ashtabula River Partnership Time/Expense Sheet

MAY '97 DATE	HOURS	LOCATION	MILES	OTHER EXPENSE	DESCRIPTION
1	2	Office	0	\$ -	A. R. Strategic Financing Plan
2	1	Office	0	\$ -	Natural Resource Section
7	2		120	\$ -	Travel
	1	Kent-Ashtabula	0	\$ 5.00	D. Ullrich - USEPA, speaking re ARP at Ec. Profiles Bkfst.
8	1	Cleveland	0	\$ -	Recruiting - Report on ARP to Fields Brook Tech. Cmmttee.
9	1	Cleveland	0	\$ -	Recruiting - Report on ARP to Fields Brook Steering Comm.
12	0.25	Office	0	\$ -	Telephone to Resource Cmmttee. Chairman
15	0.5	Office	0	\$ -	Telephone - Dredging Technology Vendor
27	2		120	\$ -	Travel
	8	Ashtabula	0	\$ -	Review Draft Comprehensive Management Plan
28	2		120	\$ -	Travel
	10.25	Kent-Ashtabula	0	\$ -	Mtg. Prep., Monthly Project & Coord. Comm.s, 1/4ly Ptnp.
TOTALS:		31	360		
	X \$50/hr.		X \$0.31/m		
	\$ 1,550.00		\$ 111.60	\$ 5.00	

R. L. Mason
Ashtabula River Partnership Time/Expense Sheet

JUNE '97				OTHER	
DATE	HOURS	LOCATION	MILES	EXPENSE	DESCRIPTION
3	3		150	\$ -	Travel
	4	Pittsburgh	0	\$ -	Recruiting - Presentation to PRP
5	1	Office	0	\$ -	ARP Planning
10	2	Office	0	\$ -	ARP Telephone Calls
11	2		120	\$ -	Travel
	1.5	ARP Office	0	\$ -	Outreach Committee Meeting
12	0.5	Office	0	\$ -	Telephone to Resource Cmmttee. Chairman
13	1	Office	0	\$ -	Prepare ARP Presentation for PRP Group
16	4	Office	0	\$ -	Prepare ARP Presentation for PRP Group
17	4	Office	0	\$ -	Prepare ARP Presentation for PRP Group
18	3		150	\$ -	Travel
	4	Cleveland	0	\$ -	Presentation to PRP Group
19	4	Office	0	\$ -	Prepare for ARP Landfill Subcommittee
24	2		120	\$ -	Travel
	6	Ashtabula	0	\$ -	Landfill Subcommittee, River Tour, Resource Committee
25	2		120	\$ -	Travel
	8	Kent-Ashtabula	0	\$ -	Mtg. Prep., Monthly Project & Coordinating Meetings
26	2	Office	0	\$ -	Draft Landfill Subcommittee Letter to OEPA
27	1	Office	0	\$ -	Review PCB Data
TOTALS:	55		660		
	X \$50/hr.		X \$0.31/m		
	\$ 2,750.00		\$ 204.60	\$ -	

R.L.Mason
Ashtabula River Partnership Time/Expense Sheet

JULY '97 DATE	HOURS	LOCATION	MILES	OTHER EXPENSE	DESCRIPTION
3	2		120	\$ -	Travel
	8	MRP-Ashtabula	0	\$ 7.00	Comprehensive Management Plan Editorial Board
8	2		120	\$ -	Travel
	2	ARP Office	0		Monthly Outreach Committee Meeting
	2	Ashtabula	0	\$ -	ARP Teleconference with Corps of Engineers
10	2	Office	0	\$ -	ARP Calculations
11	1	Office	0	\$ -	ARP Landfill Subcommittee Minutes
15	1	Office	0	\$ -	Prepare Recruiting Presentation
16	4	Cleveland	0	\$ -	Recruiting-Report on ARP to Fields Brook Steering Committee
17	2	Office	0	\$ -	ARP Correspondence
21	4	Office	0	\$ -	Rewrite Introduction to Comprehensive Mangement Plan
22	2	ARP Office	0	\$ -	ARP Resource Committee
23	2		120	\$ -	Travel
	7.5	Kent-Ashtabula	0	\$ -	Preparation, Monthly ARP Project & Coordinating Committee Mtg.s
TOTALS:	41.5		360		
	X \$50/hr.		X \$0.31/m		
	\$ 2,075.00		\$ 111.60	\$ 7.00	

R. L. Mason
Ashtabula River Partnership Time Expense Sheet

AUGUST '97 DATE	HOURS	LOCATION	MILES	OTHER EXPENSE	DESCRIPTION
5	1	Office	0	\$ -	Recruiting - Review Proposed Cost-Sharing Approach
8	2		120	\$ -	Travel
	2	Ashtabula	0	\$ -	Recruiting - Meet with Local Harbor User
13	2	ARP Office	0	\$ -	Monthly ARP Outreach Committee Meeting
27	2		120	\$ -	Travel
	8.5	Ashtabula Y. C.	0	\$ -	Mtg. Prep., Monthly Project & Coord. Comm.s, 1/4ly Ptnp.
TOTALS:	17.5		240		
	X \$50/hr.		X \$0.31/m		
	\$ 875.00		\$ 74.40	\$ -	

R. L. Mason
Ashtabula River Partnership Time/Expense Sheet

SEPT.'97 DATE	HOURS	LOCATION	MILES	OTHER EXPENSE	DESCRIPTION
16	1	Cleveland	0	\$ -	Recruiting - Report on ARP to Fields Brook Tech. Cmmttee.
17	4	Cleveland	0	\$ -	Recruiting - Report on ARP to Fields Brook Steering Comm.
24	2		120	\$ -	Travel
	7	Kent-Ashtabula	0		Meeting Prep., Monthly ARP Project & Coordinating Cmmttee. Mtg.s
30	4	Office	0	\$ -	Develop Fields Brook PRP Commitment Letter for Comp.Mgmt. Plan
TOTALS:	18		120		
	X \$50/hr.		X \$0.31/m		
	\$ 900.00		\$ 37.20	\$ -	

R. L. Mason
Ashtabula River Partnership Time/Expense Sheet

OCT. '97 DATE	HOURS	LOCATION	MILES	OTHER EXPENSE	DESCRIPTION
8	2		120	\$ -	Travel
	9	Ashtabula	0	\$ -	Outreach Comm. Mtg., F. Hansen - USEPA Tour & Presentation
15	1	Office	0	\$ -	Develop Agendas - Landfill & Project Committees
20	2		120	\$ -	Travel
	8	Ashtabula	0	\$ -	Meeting Prep., Landfill Subcommittee Mtg., Resource Committee Mtg.
21	2		120	\$ -	Travel
	8	Kent-Ashtabula	0	\$ -	Meeting Prep., Monthly Project & Coordinating Committee Meetings
TOTALS:	32		360		
	X \$50/hr. \$ 1,600.00		X \$0.31/m \$ 111.60	\$ -	

R. L. Mason
Ashtabula River Partnership Time/Expense Sheet

NOV. '97 DATE	HOURS	LOCATION	MILES	OTHER EXPENSE	DESCRIPTION
3	2	Ashtabula	0	\$ -	Pick Up & Review Draft Comprehensive Management Plan
12	3	ARP Office	0	\$ -	Monthly Outreach Committee Meeting
20	1	Office	0	\$ -	Facilitate Fall TCLP Sampling
24	1	Office	0	\$ -	Facilitate Fall TCLP Sampling
25	2	Office	0	\$ -	Work on Policy Review Conference Presentation
TOTALS:	9		0		
	X \$50/hr. \$ 450.00		X \$0.31/m \$ -	\$ -	

R. L. Mason
Ashtabula River Partnership Time/Expense Sheet

DEC. '97 DATE	HOURS	LOCATION	MILES	OTHER EXPENSE	DESCRIPTION
2	2		120	\$ -	Travel
		2 ARP Office	0	\$ -	Monthly Resources Committee Meeting
3	2		120	\$ -	Travel
		9 Kent-Ashtabula	0	\$ -	Mtg. Prep., Monthly Project & Coord. Mtg.s, Govt./Media Briefing
8	1	Office	0	\$ -	Teleconference w/Corps of Engr.s on Policy Review Conf. postpone
9	2		120	\$ -	Travel
		3 Ashtabula	0	\$ -	Prepare for Policy Review Conference regrouping meeting
10	2		120	\$ -	Travel
		9 Kent-Ashtabula	0	\$ -	Policy Review Conference regrouping meeting
16	1	Office	0	\$ -	Teleconference w/ Ashtabula River Foundation on cost estimate
17	0.5	Office	0	\$ -	Review minutes of PRC Regroup Meeting
TOTALS:		33.5	480		
		X \$50/hr.	X \$0.31/m		
		\$ 1,675.00	\$ 148.80	\$ -	

R. L. Mason
Ashtabula River Partnership Time/Expense Sheet

JANUARY '98				OTHER	
DATE	HOURS	LOCATION	MILES	EXPENSE	DESCRIPTION
7	2		120	\$ -	Travel
	9	Kent-Ashtabula	0	\$ -	Mtg. Prep., Monthly Project & Coord. Cmmttee.s, Eco. Subcomm.
26	1	Office	0	\$ -	Teleconference on GLNPO grant; Brewer, Mahan, Troyer, Golyski
28	3		150	\$ -	Travel
	3	Independence, OH	0	\$ -	Meeting w/First Energy Corp. on proposed landfill site
29	2		120	\$ -	Travel
	4	Ashtabula - RMI	0	\$ -	Draft Landfill Letter to First Energy, Work on PRC Graphics
30	2		120	\$ -	Travel
	2	Ashtabula - RMI	0	\$ -	Meet w/ EcoLogik on sediment remediation technology
TOTALS:	28		510		
	X \$50/hr.		X \$0.31/m		
	\$ 1,400.00		\$ 158.10	\$ -	

R. L. Mason
Ashtabula River Partnership Time/Expense Sheet

FEB. '98 DATE	HOURS	LOCATION	MILES	OTHER EXPENSE	DESCRIPTION
3	2	Office	0	\$ -	Review draft Environmental Section rewrite from Eco. Cmmttee.
4	2		120	\$ -	Travel
	5	Twinsburg	0	\$ -	Ecological Subcommittee Mtg. at OEPA Northeast District Office
11	2	ARP Office	0	\$ 5.00	Monthly Outreach Committee Meeting
12	1	Office	0	\$ -	Work on cost-sharing agreement
20	1.25	Office	0	\$ -	Telephone calls w/ engineers on independent cost estimates
24	2		120	\$ -	Travel
	2	Jefferson, OH	0	\$ -	Monthly Resources Committee Meeting
25	2		120	\$ -	Travel
	9	Kent-Ashtabula	0	\$ -	Mtg. Prep., Monthly Project & Coordinating Committee Meetings
TOTALS:	28.25		360		
	X \$50/hr.		X \$0.31/m		
	\$ 1,412.50		\$ 111.60	\$ 5.00	

R. L. Mason
Ashtabula River Partnership Time/Expense Sheet

MARCH'98				OTHER	
DATE	HOURS	LOCATION	MILES	EXPENSE	DESCRIPTION
11	2	ARP Office	0	\$ 5.00	Monthly Outreach Committee Meeting
24	2		120	\$ -	Travel
	2	Jefferson, OH	0	\$ -	Monthly Resources Committee Meeting
25	2		120	\$ -	Travel
	9	Kent-Ashtabula	0	\$ -	Mtg. Prep., Monthly Project & Coordinating Committee Meetings
TOTALS:	17		240		
	X \$50/hr.		X \$0.31/m		
	\$ 850.00		\$ 74.40	\$ 5.00	

R. L. Mason
Ashtabula River Partnership Time/Expense Sheet

APRIL '98 DATE	HOURS	LOCATION	MILES	OTHER EXPENSE	DESCRIPTION
2	0.5	ARP Office	0	\$ -	Invoices, Spring Sampling Plan
15	2		120	\$ -	Travel
	2	ARP Office	0	\$ 5.00	Monthly Outreach Committee Meeting
16	2	Ashtabula	10	\$ -	L.Jensen-USEPA & C.McCracken-OhioDept.Health - Ash.River Tour
21	2	Jefferson, OH	20	\$ -	Monthly Resources Committee Meeting
22	2		120	\$ -	Travel
	8	Kent-Ashtabula	0	\$ -	Mtg. Prep., Monthly Project & Coordinating Committee Meetings
28	0.5	ARP Office	0	\$ -	Invoices
TOTALS:	19		270		
	X \$50/hr.		X \$0.31/m		
	\$950.00		\$ 83.70	\$ 5.00	

N. F. Brewer

Ashtabula River Partnership Time/Expense Sheet

MAY '98				OTHER	
DATE	HOURS	LOCATION	MILES	EXPENSE	DESCRIPTION
5	8	Office			Review/Rewrite CMP w/USACE personnel
6	4	Office			Review/Rewrite CMP w/USACE personnel
14	12	Cincinnati, OH	150	\$785.79	Meet w/USACE Division Staff to discuss ARP CMP
19	1.5	Jefferson, OH	28		Review ARP operating expense and approve
27	4	Kent - Ashtabula	10		Attend Project and Coordinating Committee meetings
TOTALS:	29.5		188		
	X \$50/hr.		X \$0.31/m		
	\$1,475.00		\$58.28	\$785.79	

N. F. Brewer
Ashtabula River Partnership Time/Expense Sheet

JUNE '98				OTHER	
DATE	HOURS	LOCATION	MILES	EXPENSE	DESCRIPTION
15	12	Columbus, OH	330	\$29.00	Attend ARP/ODH meeting to discuss radionuclides
24	4	Kent - Ashtabula	10		Attend ARP Coordinating and Project Committee meetings
26	1.5	Jefferson, OH	28		ARP operating expense review and approval
TOTALS:	17.5		368		
	X \$50/hr.		X \$0.31/m		
	\$875.00		\$114.08	\$29.00	

N. F. Brewer
Ashtabula River Partnership Time/Expense Sheet

JULY '98				OTHER	
DATE	HOURS	LOCATION	MILES	EXPENSE	DESCRIPTION
6	1	Office			Conference call w/J. Busch, John to discuss ARP
21	8	Columbus, OH	330	\$159.50	Meet in Columbus to discuss ARP preliminary cost estimate and
22	8	Columbus, OH			meet with OEPA at Coordinating Committee meeting
23	1.5	Office			Conference call with B. Kaull, discuss strategy for getting funding commitments
TOTALS:	18.5		330		
	X \$50/hr.		X \$0.31/m		
	\$925.00		\$102.30	\$159.50	

N. F. Brewer
Ashtabula River Partnership Time/Expense Sheet

AUG '98				OTHER	
DATE	HOURS	LOCATION	MILES	EXPENSE	DESCRIPTION
14	1.5	Jefferson, OH	28		Review/approve ARP operating expenses
18	2	ARP Office	6		Review CMP draft status - discuss issues
27	4	Kent - Ashtabula	10		Project and Coordinating Committee meetings
27	4				Quarterly meeting and picnic
28	6	Ashtabula River	28		Seagrant/ARP political leader Fish Tournament
TOTALS:	17.5		72		
	X \$50/hr.		X \$0.31/m		
	\$875.00		\$22.32	\$0.00	

Ashtabula River Partnership Time/Expense Sheet

SEPT '98				OTHER	
DATE	HOURS	LOCATION	MILES	EXPENSE	DESCRIPTION
7	3	ARP Office	6		Discuss slide presentation/CMP status
17	4	Jefferson, OH	28		Meet w/Ashtabula Co. Port Authority - discuss sponsorship & other issues
23	4	Kent - Ashtabula	10		Project and Coordinating Committee meetings
23	4	Ashtabula Harbor		\$50.00	ARP/Lake Erie Commission boat ride and steak fry
24	4.5	Kent - Ashtabula	10		Lake Erie Commission/RAP Summit meeting
24	2	Jefferson, OH	28		ARP/Port Authority meeting
TOTALS:	21.5		82		
	X \$50/hr.		X \$0.31/m		
	\$1,075.00		\$25.42	\$50.00	

N. F. Brewer
Ashtabula River Partnership Time/Expense Sheet

OCT '98				OTHER	
DATE	HOURS	LOCATION	MILES	EXPENSE	DESCRIPTION
16	2	Jefferson, OH	28		Review/approve ARP operating expenses
20	3.5	Office			Review status of CMP, operating and adm. issues
28	4	Kent - Ashtabula	10		Project and Coordinating Committee meetings
TOTALS:	9.5		38		
	X \$50/hr.		X \$0.31/m		
	\$475.00		\$11.78	\$0.00	

N. F. Brewer
Ashtabula River Partnership Time/Expense Sheet

NOV '98				OTHER	
DATE	HOURS	LOCATION	MILES	EXPENSE	DESCRIPTION
13	2	Jefferson, OH	28		Review/approve ARP operating expenses
16	6	Cleveland, OH	120	\$12.00	Attend Fields Brook meeting for ARP presentation
19	3	Ashtabula, OH	26		Attend EPA public meeting on Fields Brook and Ashtabula River
20	1	ARP Office	6		Discuss administrative issues
24	4	Kent - Ashtabula	10		Attend ARP Coordinating and Project Committee meetings
TOTALS:	16 X \$50/hr. \$800.00		190 X \$0.31/m \$58.90	\$12.00	

Ashtabula River Partnership Time/Expense Sheet

DEC '98				OTHER	
DATE	HOURS	LOCATION	MILES	EXPENSE	DESCRIPTION
7	1.5	ARP Office	6		Discuss/review ARP administrative issues
18	2	Jefferson, OH	28		Review/approve adm. expenses
21	3	Jefferson, OH	28		Meet w/Kaufl, Leitert - discuss funding issues
TOTALS:	6.5 X \$50/hr. \$325.00		62 X \$0.31/m \$19.22	\$0.00	

N. F. Brewer
Ashtabula River Partnership Time/Expense Sheet

JAN '99				OTHER	
DATE	HOURS	LOCATION	MILES	EXPENSE	DESCRIPTION
7	2	Kent - Ashtabula	26		Review ARP status to Ashtabula Community Advisory Panel
8	1	Office			Review/comment on Coordinating Committee minutes
15	2	Jefferson, OH	28		Review/approve ARP adm. expenses
22	1	Office			Prepare for ARP Coordinating Committee
26	3	Kent - Ashtabula	10		Attend kickoff of special Subcommittee assignments
27	4	Kent - Ashtabula	10		Project and Coordinating Committee meetings
28	3	Office			Prepare minutes from Dewatering Committee kickoff - get members names/addresses for mailings etc.
TOTALS:	16		74		
	X \$50/hr.		X \$0.31/m		
	\$800.00		\$22.94	\$0.00	

N. F. Brewer
Ashtabula River Partnership Time/Expense Sheet

FEB '99				OTHER	
DATE	HOURS	LOCATION	MILES	EXPENSE	DESCRIPTION
15	1.5	Office			Setup ARP Subcommittee meetings, agenda, etc.
18	14	Buffalo, NY	360	\$24.00	Attend USACE, Fields Brook, ARP meeting - discuss CMP draft
23	2.5	Office			Host Dewatering Subcommittee meeting as chair
24	6	Kent - Ashtabula	10	\$5.00	Attend Outreach, Project and Coordinating Committee meetings
TOTALS:	24		370		
	X \$50/hr.		X \$0.31/m		
	\$1,200.00		\$114.70	\$29.00	

Ashtabula River Partnership Time/Expense Sheet

MAR '99				OTHER	
DATE	HOURS	LOCATION	MILES	EXPENSE	DESCRIPTION
12	2	Jefferson, OH	28		Review/approve adm. expenses
15	1.5	ARP Office	6		Review status of information USACE is getting Fields Brook Group
19	1	Office			Prepare agenda for Dewatering Committee meeting
23	2.5	Office			Chair Dewatering Committee meeting
24	6	Kent - Ashtabula	10		Attend Outreach, Project and Coordinating Committee meetings
TOTALS:	13		44		
	X \$50/hr.		X \$0.31/m		
	\$650.00		\$13.64	\$0.00	

R.L.Mason
Ashtabula River Partnership Time/Expense Sheet

MAY '98				OTHER	
DATE	HOURS	LOCATION	MILES	EXPENSE	DESCRIPTION
11	2		120	\$ -	Travel
	2.5	Jefferson	0	\$ -	Ashtabula County Port Authority Meeting
	2.5	Ashtabula	0	\$ -	Prepare for 14 May Meeting
12	1	Cleveland	0	\$ -	Ashtabula River Report to Fields Brook Technical Committee
13	1	Cleveland	0	\$ -	Ashtabula River Report to Fields Brook Steering Committee
14	15	Cincinnati	200	\$ 679.00	ARP Meeting with General VanWinkle, US Army Corps of Engnr.s
22	1	Ashtabula	0	\$ -	Discuss River Cleanup Technology with IT Corp., Remedial Contractor
27	8	Kent-Ashtabula	120	\$ 5.00	Preparation, Monthly ARP Project & Coordinating Committee Mtg.s
TOTALS:	33		440		
	X \$50/hr.		X \$0.31/m		
	\$1,650.00		\$ 136.40	\$ 684.00	

R. L. Mason
Ashtabula River Partnership Time/Expense Sheet

JUNE '98				OTHER	
DATE	HOURS	LOCATION	MILES	EXPENSE	DESCRIPTION
1	2	Office	0	\$ -	Review Ohio Department of Health Radioactive Disposal Rules
2	1	Ashtabula	0	\$ -	Review Existing Ashtabula River Radionuclide Data
4	4	Ashtabula	0	\$ -	Review Draft Ecological Section to Comprehensive Mangmt. Plan
15	8	Columbus	500	\$ 8.79	ARP Meeting with Ohio Dept. of Health, Bureau of Rad. Safety
24	12	Ashtabula	120	\$ 11.10	Monthly ARP Cmmttee. Meetings & Quarterly Ash.RiverRAP Mtg.
29	0.5	Office	0	\$ -	Find Data Requested by Corps of Engineers
30	0.5	Ashtabula	0	\$ -	Brief RMI on Ashtabula River Partnership Developments
TOTALS:	28		620		
	X \$50/hr.		X \$0.31/m		
	\$ 1,400.00		\$ 192.20	\$ 19.89	